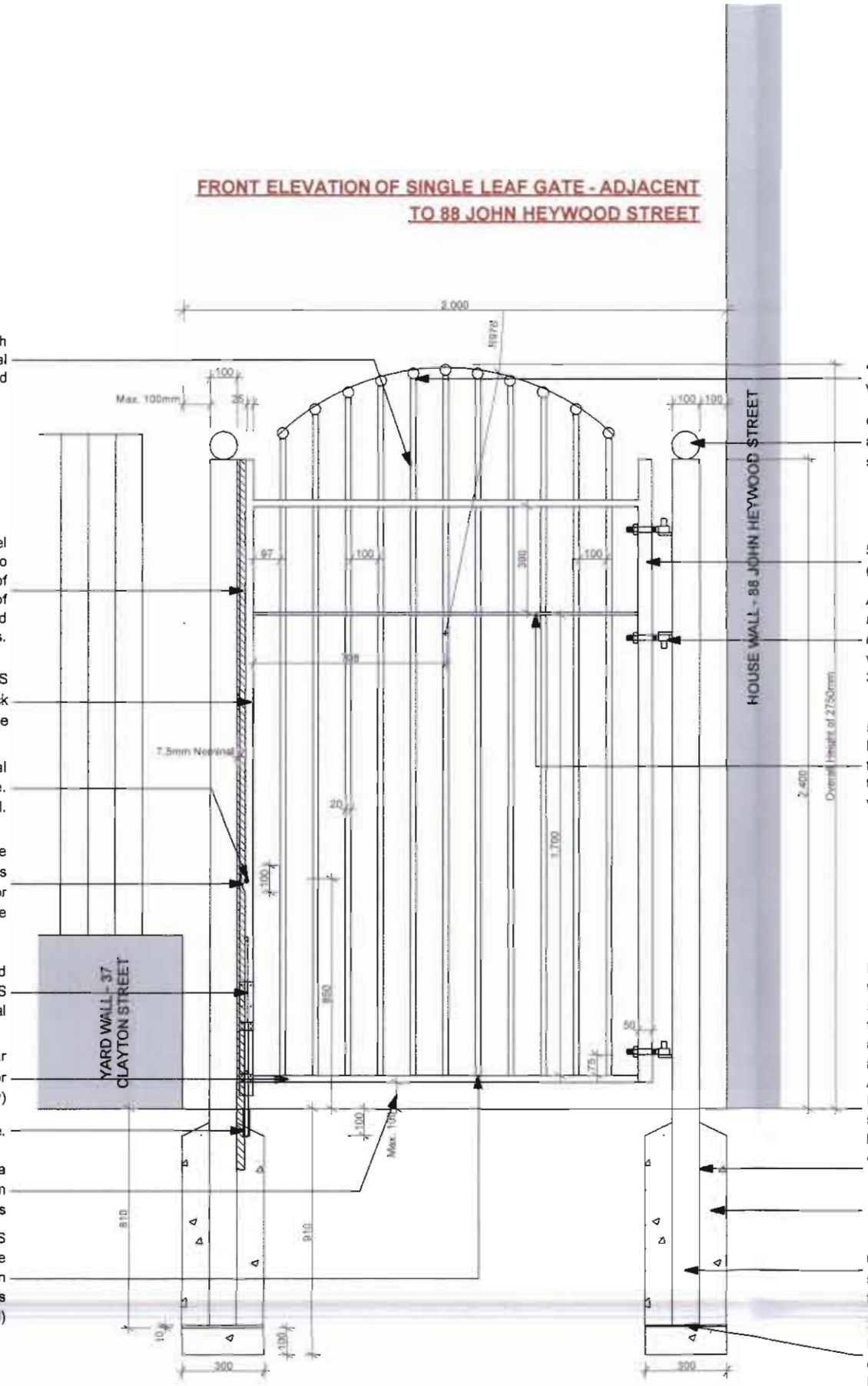
FRONT ELEVATION OF SINGLE LEAF GATE - ADJACENT TO 88 JOHN HEYWOOD STREET



Vertical rail passed through drilled holes in horizontal RHS/flat bar and welded

25x8mm x 2600mm long steel flat bar welded to post to protect locking system. Top of plate to finish flush with top of post, bottom of plate to extend into concrete foundations.

50x50x3mm thickness SHS vertical to house integral lock and form part of frame

Viro Euro profile Integral deadlock installed into frame. Lock to be fitted without barrel.

Protective flat bar plate to be cut away (radius curve as shown) to allow space for keyhole

Monkey tail Drop bolt attached to back of 50x50x3mm SHS vertical

25x50x3mm thick rectangular hollow section frame (for horizontals only)

Metal sleave.

Contractor to ensure a maximum gap of 100mm underneath gates

14no 20mm x 3mm thick CHS infill poles welded to frame (Passed through cut holes in intermediate horizontal rails and welded)

40mm dia. steel sphere, welded directly above infill bars

Cap off ends of hollow sections and seal. Weld 100mm Dia. steel sphere to cap.

50x50x3mm thick SHS frame (for hinge side vertical)

Adjustable hinge as per manufacturers recommendation to support weight of gate.
3no. hinges per gate leaf

50 x 10mm thick steel horizontal flat bar welded to frame with vertical bars passed through drilled holes and welded

In exceptional circumstances, the outermost post can be cut short to avoid building foundations. Any such amendments are to be approved with the Landscape Architect prior to installation. Posts which are cut short are to be installed at least 400mm below ground level into the concrete foundations.

1:3:6 Concrete footings

100x100x3200mm long, 6.3mm thick, square hollow section post set vertically in footings as shown

300mm sq. x 10mm thick steel base plate welded to base of each supporting post (double base plate for smell panels)

Notes:
METALWORK GENERALLY

1. Contractor to accurately measure dimensions and levels on site in order to achieve a satisfactory fit of gates and railings prior to manufacture.

2. Steps in railing panels due to change in ground levels to be a maximum of 100mm at each post otherwise all panels to run continuously at the same level.

3. The gap between the bottom of gates/railing panels and ground level to be not less than 25mm or more than 125mm.

4. Railings to be set out in multiples of full panels where possible, details and locations of makeup panels to be agreed with the contract administrator.

5. Any anomalies or queries to be addressed to the contract administrator.

6. All gates and railings to be fabricated using continuous 6mm fillet welds, to be ground smooth and free of any slag, splatter and grease prior to galvanising.

7. All holes to be pre-drilled. All joints between horizontal rails and vertical bars to be completely filled with weld.

8. All vent holes drilled as part of the galvanising process are to be on the underside of all metalwork sections when erected, to ensure full drainage of any water.

9. All metal to be mild steel and hot dip galvanised to BS 729 after all cutting, drilling, folding and welding has been done.

If specified, all hollow section metal to be mild steel and have sprayed metal coating to to BS 22063 after all cutting, drilling, folding and welding has been done.

10. An absolute minimum of site welding only is acceptable, all site welds to be liberally treated with approved cold applied zinc rich paint to BS 4652.

11. Sample gates and panel of railings to be approved prior to manufacture of any other gates/panels.

12. All bolts to be secured with security nuts to prevent theft.

13. All slots, holes or cutouts in metalwork to be bench milled or laser cut for precision finish

METALWORK PAINTING

Preparation
1. Remove any salt deposits, dust etc. with a stiff brush
2. Wash with warm detergent, rinse and dry.

Coating System
1. One coat of Dacrylate Mordent solution Type 1. Ref 150-23
2. One coat of Dacrylate Vinadac 41 High Build MIO.
   Ref 41-172 Dark grey, 75 microns dry thickness
3. One coat of Dacrylate Vinidac High Build Sheen Ref 41-228 Black, 75 microns dry thickness

IT IS RECOMMENDED THAT CONTRACTORS/FABRICATORS NOT FAMILIAR WITH ALLEGATES INSPECT AN EXISTING GATE INSITU IN ADDITION TO WORKING FROM DRAWINGS

Notes

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The contractor shall issue all statutory notices to the Local Authority at commencement, during progress & completion of the works.

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REC'D 29 JUL 2009
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FOR ACTION

BUILDING SOLUTIONS

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Revision Date		Drawn Checked
Revision Date		Drawn Checked

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Job Title
Alley Gates
88 John Heywood Street
Manchester
M11 4EL

Drawing Name
Gate Details - 88 John Heywood Street

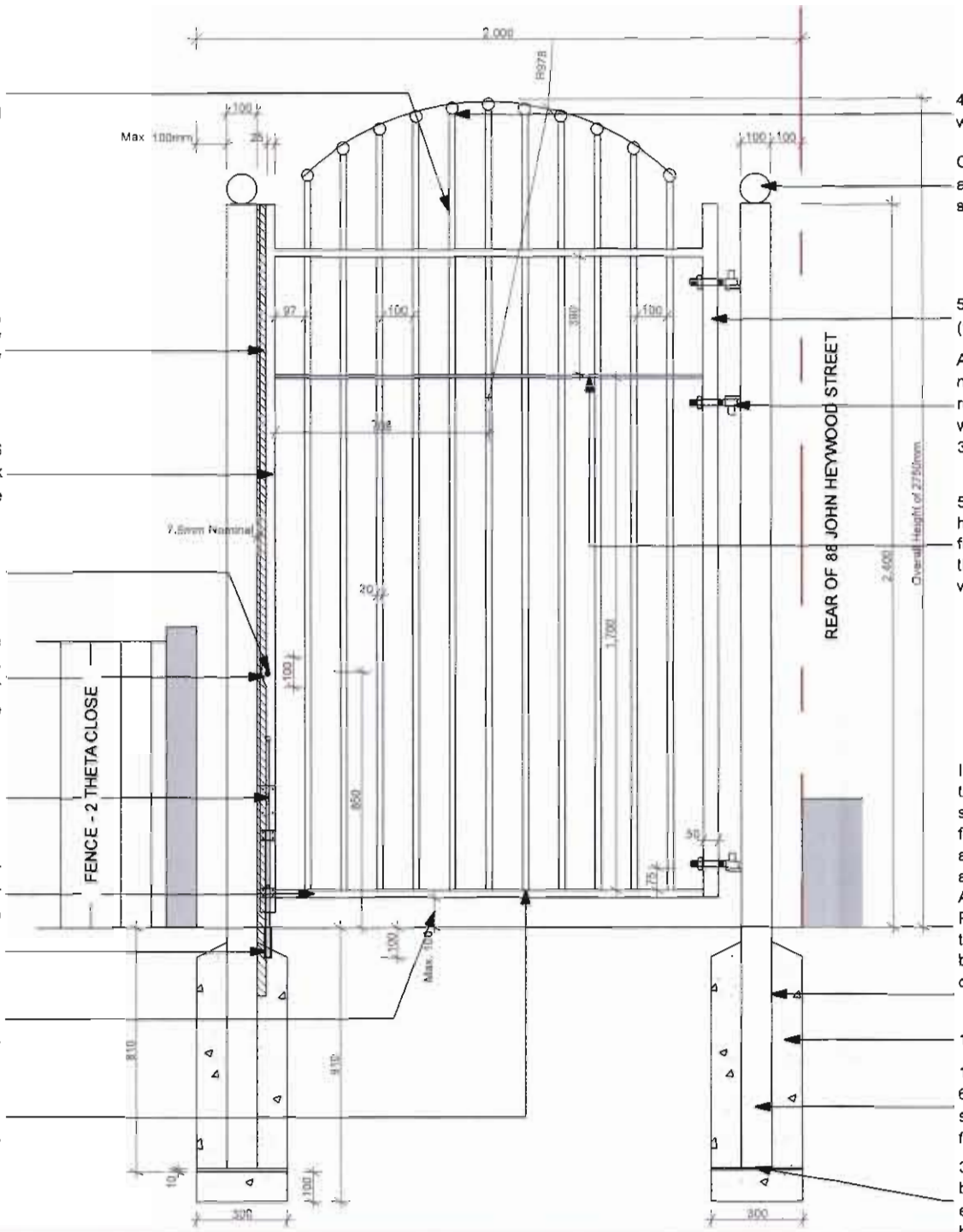
Drawing Status
PLANNING

Drawn by	Date
PG	**24.07.09**
Checked by	Date
MB	**24.07.09**

Drawing Scale
1:20

Layout ID
254.001 PL (00) 005

FRONT ELEVATION OF SINGLE LEAF GATE - REAR OF 88 JOHN HEYWOOD STREET



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1:3:6 Concrete footings

100x100x3200mm long, 6.3mm thick, square hollow section post set vertically in footings as shown

300mm sq. x 10mm thick steel base plate welded to base of each supporting post (double base plate for small panels)

Notes:
METALWORK GENERALLY

1. Contractor to accurately measure dimensions and levels on site in order to achieve a satisfactory fit of gates and railings prior to manufacture.

2. Steps in railing panels due to change in ground levels to be a maximum of 100mm at each post otherwise all panels to run continuously at the same level.

3. The gap between the bottom of gates/railing panels and ground level to be not less than 25mm or more than 125mm.

4. Railings to be set out in multiples of full panels where possible, details and locations of makeup panels to be agreed with the contract administrator.

5. Any anomalies or queries to be addressed to the contract administrator.

6. All gates and railings to be fabricated using continuous 6mm fillet welds, to be ground smooth and free of any slag, splatter and grease prior to galvanising.

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METALWORK PAINTING

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Job Title
Alley Gates
88 John Heywood Street
Manchester
M11 4EL

Drawing Name
Gate Details - Rear of 88 John Heywood Street

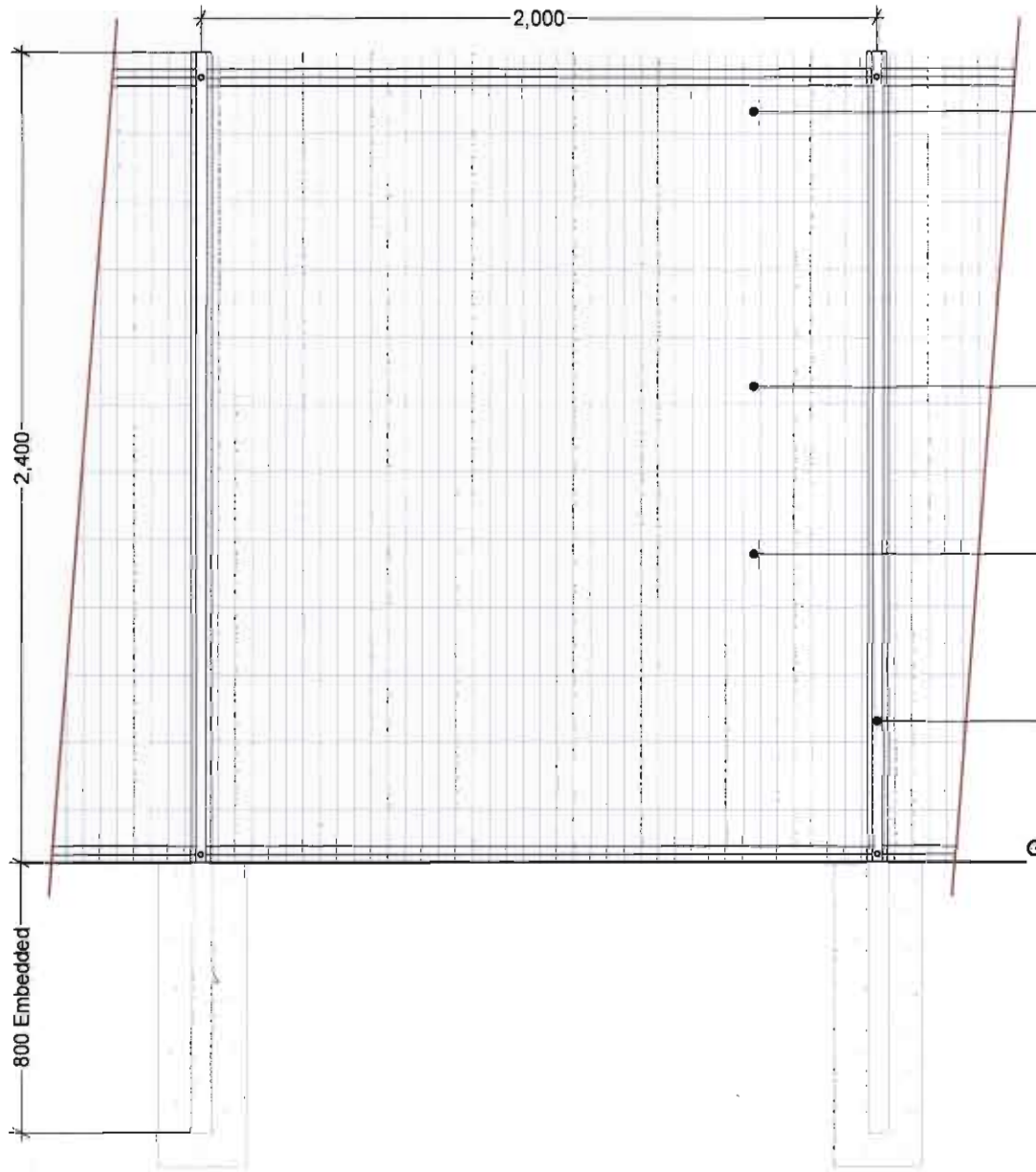
Drawing Status
PLANNING

Drawn by	Date
PG	**24.07.09**
Checked by	Date
MB	**24.07.09**

Drawing Scale
1:20

Layout ID
254.001 PL (00) 006

PALADIN FENCING ELEVATION
TOTAL REQUIRED - 16.3m



Fence panels to be designed in the same style as side gate panels, attached to post by welded bracket, security bolted (using shear nuts). Fence panels over 1500mm length to be supported by 50X10mm central supporting lug welded to bottom member and installed in concrete foundations.

Fence to be open mesh panel, galvanised, colour powder coated. 1800mm high. 50 x 200mm mesh size, 4mm mesh wire diameter (verticals & horizontals).

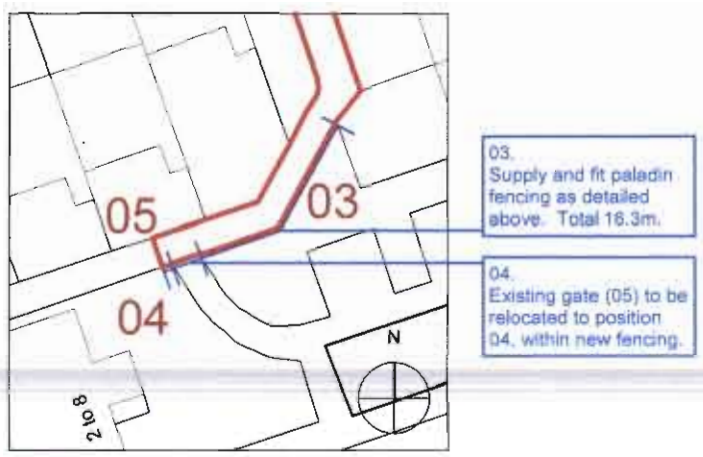
Fence to be 'Securus' profiled panel fence system or similar approved to match existing.

Post to be galvanised, colour powder coated 1800mm high, post centres at a maximum of 2.44m. 60 x 60 x 3mm RHS. Fixings as per manufacturers instructions.



PVC Insert cap

Typical mesh detail



03.
Supply and fit paladin fencing as detailed above. Total 16.3m.

04.
Existing gate (05) to be relocated to position 04. within new fencing.

1:500 SITE PLAN

0 10

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Alley Gates
88 John Heywood Street
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M11 4EL

Drawing Name
Paladin Fencing

Drawing Status
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Drawn by	Date
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Drawing Scale
1:20, 1:500

Layout ID
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